

B1 31 (Amended). A pharmaceutical composition comprising at least one dose of an immunogenically effective amount of a polypeptide of claim [1] ~~37~~ in a pharmacological carrier.

B2 ~~34~~ (Amended). A kit useful for the detection of antibody to the polypeptide of claim [1] ~~37~~ in a specimen suspected of containing such antibody, the kit comprising carrier means being compartmentalized to receive in close confinement therein one or more containers comprising a container containing the polypeptide of claim [1] ~~37~~.

B3 ~~37~~ (New). A polypeptide consisting of an amino acid sequence having the formula:



wherein n is 1 to about 1000 and  $\Phi$  is 25 amino acids or less and has the formula:



wherein  $\alpha$  and  $\beta$  are independently from 0 to about 5 naturally occurring amino acids, wherein the polypeptide is capable of binding antibody in a specimen from an individual with Epstein-Barr virus (EBV)-associated disease.

38 (New). The polypeptide of Claim 37 wherein  $\Phi$  is QNSETFTETWNRFITHTEHVD.

~~39~~ (New). The polypeptide of Claim ~~38~~ wherein n is 1.

B3  
Antia  
5  
40 (New).

The polypeptide of Claim ~~37~~<sup>1</sup> wherein n is 1.

41 (New).

A polypeptide consisting of an amino acid sequence having the formula:

$$\{(\Phi)_n(\Gamma)_o(\Delta)_p(\Omega)_q\}_r$$

wherein:

n is 0-1000,

o is 0-1000,

p is 0-1000,

q is 0-1000,

n + o + p + q = 1-1000,

(n + o + p + q) x r = 1-1000,

$\Phi$  is 25 amino acids or less and has the formula ( $\alpha$ ETFTETWNRFITHT $\beta$ ),

$\Gamma$  is 25 amino acids or less and has the formula ( $\alpha$ GMLEASEGLDGWIHQ $\beta$ ),

$\Delta$  is 25 amino acids or less and has the formula ( $\alpha$ HQQGGWSTLIEDNIP $\beta$ ),

$\Omega$  is 25 amino acids or less and has the formula ( $\alpha$ KQKHPKKVKQAFNPL $\beta$ ),

$\alpha$  and  $\beta$  are each independently from 0 to 5 naturally occurring amino acids, and

the polypeptide is capable of binding antibody in a specimen from an individual

with Epstein-Barr virus (EBV)-associated disease.

*B3  
control*  
42 (New). A pharmaceutical composition comprising at least one dose of an immunogenically effective amount of a polypeptide of claim 41 in a pharmacological carrier.

*7*  
43 (New). A kit useful for the detection of antibody to the polypeptide capable of binding antibody in a specimen from an individual with Epstein-Barr virus (EBV)-associated disease in a specimen suspected of containing such antibody, the kit comprising carrier means being compartmentalized to receive in close confinement therein one or more containers comprising a container containing the polypeptide of claim <sup>6</sup>41.

*sub  
E3*  
44 (New). The polypeptide of claim 41 wherein o is 0 and p is 0.

45 (New). The polypeptide of claim 44 wherein  $\Phi$  is (QNSETFTETWNRFITHTTEHVD) and  $\Omega$  is (ARQKQKHPKKVKQAFNPLI).

46 (New). The polypeptide of claim 41 wherein  $\Phi$  is (QNSETFTETWNRFITHTTEHVD) and  $\Omega$  is (ARQKQKHPKKVKQAFNPLI).

47 (New). The polypeptide of claim 41 wherein  $\Omega$  is (ARQKQKHPKKVKQAFNPLI).

**DOCKET NO.: ORGU-0023**  
**PATENT APPLICATION**

**SERIAL NO.: 08/392,934**  
**FILED: OCTOBER 28, 1996**

- B3 cancelled with 83*
- 48 (New). The polypeptide of claim 41 wherein n is 0, o is 0 and p is 0.
- 49 (New). The polypeptide of claim 48 wherein q is 1.
- 50 (New). The polypeptide of claim 49 wherein  $\Omega$  is (ARQKQKHPKKVKQAFNPLI).

*B4*

**IN THE ABSTRACT:**

Please add the following abstract after the last page of claims:

*Sub P4*

--Epstein-Barr virus (EBV) specific polypeptides are disclosed. Also disclosed are the use of these polypeptides for the production of polypeptide-specific antibodies and the diagnosis and treatment of EBV-associated disease.--

**REMARKS**

**Status of the claims**

Claims 1-36 are pending in the application.

Claim 2-30, 32, 33 and 35 have been withdrawn from consideration.

Claims 1, 31, 34 and 36 have been rejected.

By way of this amendment, claims 31 and 34 have been amended, claims 1-30, 32, 33, 35 and 36 have been canceled and new claims 37-50 have been added.